

supplement to the British Fossil Corals, published by the Palæontographical Society, several new corals have been obtained at Haldon by Mr. Vicary, of Exeter. Twelve additional species were noticed, of which ten were new. This brings the total number of species in the Haldon Greensand up to twenty-one. The new species are thus distributed :—*Aporosa*: *Oculinidæ* (1), *Astræidæ* (3), *Fungidæ* (5); *Perforata*, *Turbinariæ* (2); *Tabulata* (1). The paper concluded with remarks on the genera and species represented, from which it appeared that the Coral fauna of Haldon is the northern expression of that of the French and Central European deposits, which are the equivalents of the British Upper Greensand. The Haldon deposit was formed in shallow water, and the corals grew upon the rolled débris of the age.

2. "Notes on *Pleurodon affinis*, sp. ined., Agassiz, and Description of three Spines of Cestracionts from the Lower Coal-measures." By J. W. Davis, Esq., F.G.S.

The author described some fossil remains of fish obtained from the bone-bed immediately above the "Better-bed Coal" referred to by him in a former paper (see Q. J. G. S. vol. xxxii. p. 332). The fossils described included *Ichthyodorulites* belonging to 4 species, namely :—*Pleurodon affinis*, a species named, but not described or figured by Agassiz; *Hoplonychus elegans*, gen. et sp. nov.; *Ctenacanthus æquistriatus*, sp. nov.; and *Phricacanthus biserialis*, gen. et sp. nov. Teeth believed to be those of *Pleurodon affinis* were also described.

MISCELLANEOUS.

Diastylis bimarginatus.

To the Editors of the Annals and Magazine of Natural History.

GENTLEMEN,—When Mr. Sim sent me the specimen of *Diastylis bimarginatus* it was accompanied with his own drawing, which is similar to that which you have published in the last number of the 'Annals.' It was because I had the opportunity of comparing it with the animal that I preferred making the sketch I sent to you. Had I received the animal in an unmutilated condition I could have entered into more minute detail.

Yours faithfully,

Plymouth, Dec. 22, 1878.

C. SPENCE BATE.

Germination of the Spores of Volvox dioicus. By M. HENNEGUY.

Two years ago I communicated to the Academy of Sciences a note on the subject of the reproduction of *Volvox dioicus*, Cohn, in which I indicated the gradual appearance of sexuality in these organisms,